

FIG. 1A

a	b
c	d

FIG. 1B

a	b
c	d

FIG. 1C

a	b
c	d

FIG. 1D

a	b
c	d

FIG. 1E

a	b
c	d

FIG. 2A

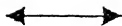


FIG. 2B



FIG. 2C



FIG. 3

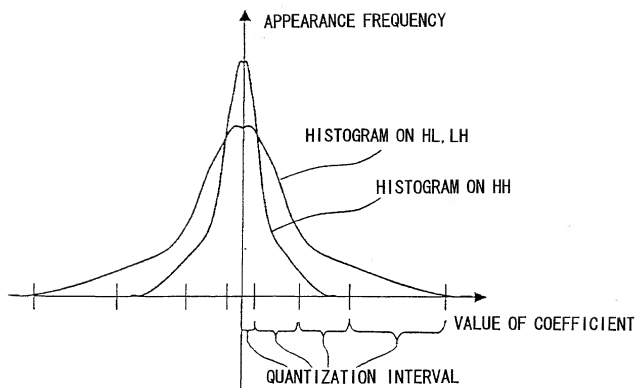
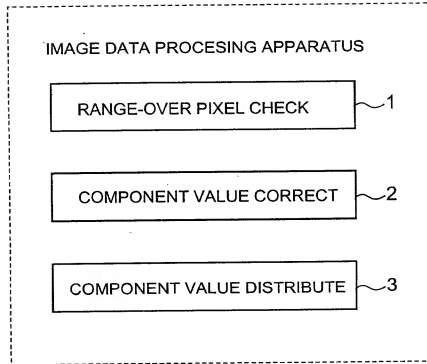
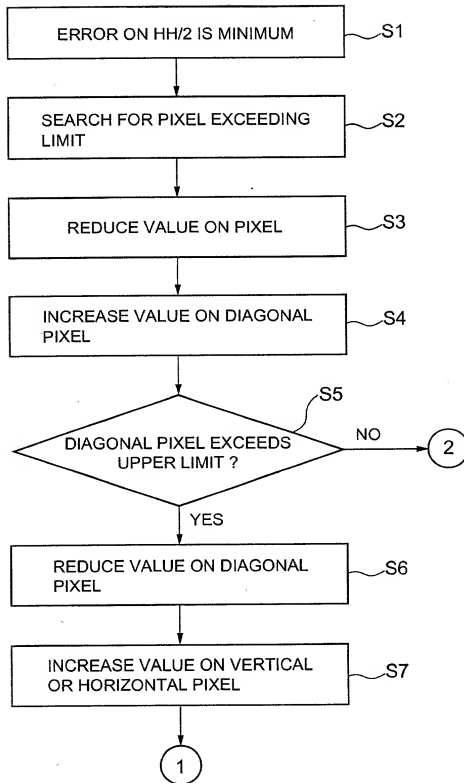


FIG.4



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FIG.5A



10082308.022602

FIG.5B

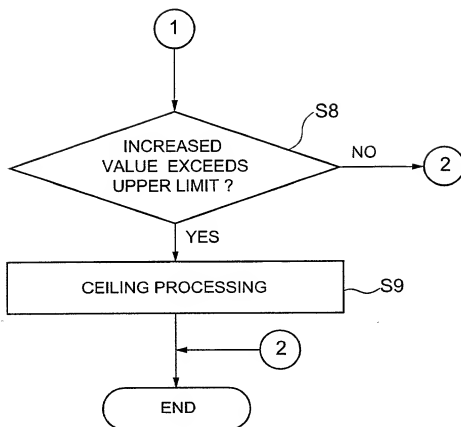


FIG.6A

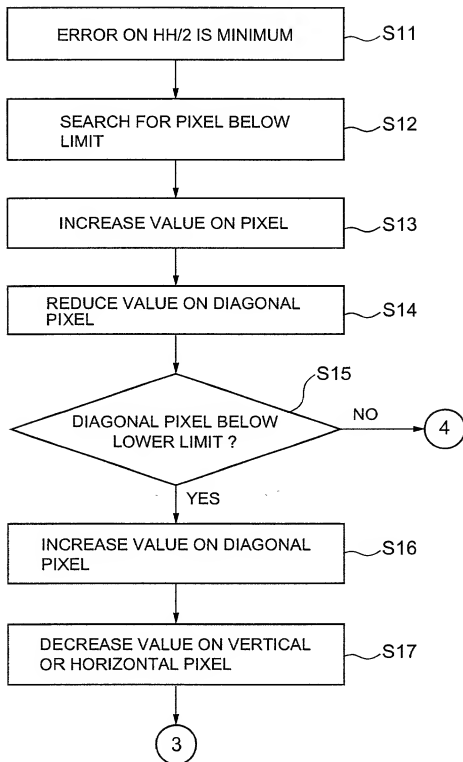


FIG.6B

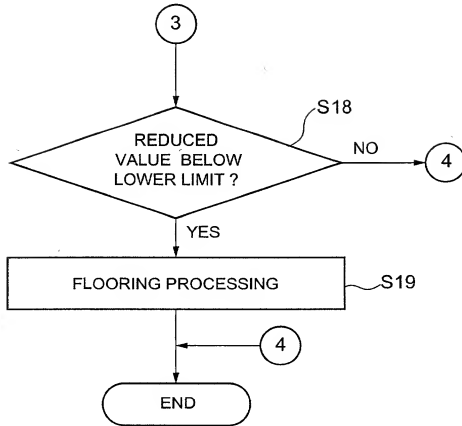




FIG.7

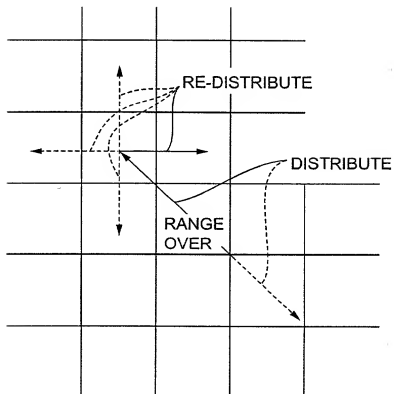
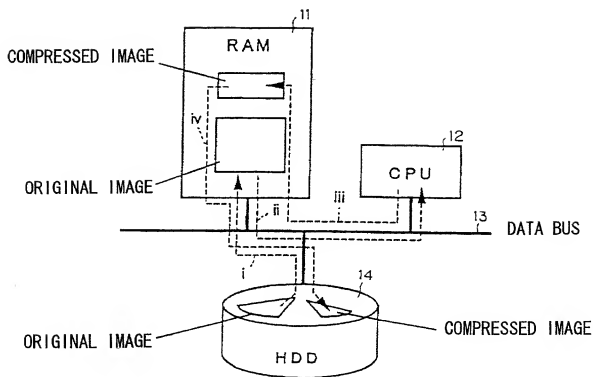


FIG. 8



10082308.02602

FIG. 9

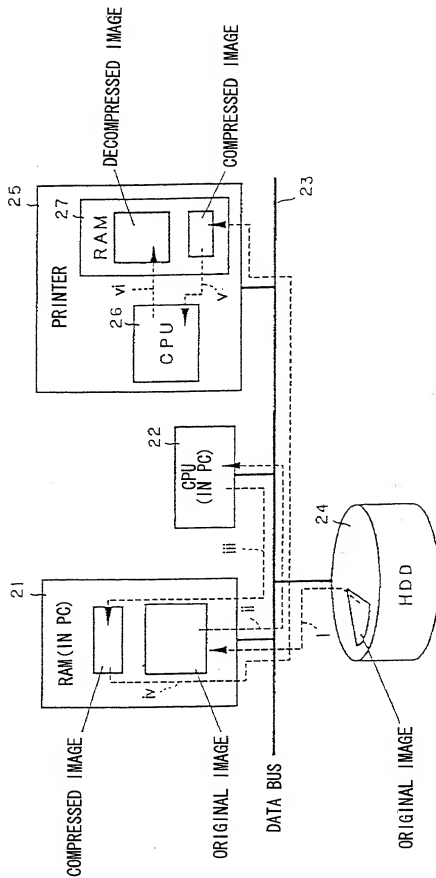


FIG. 10

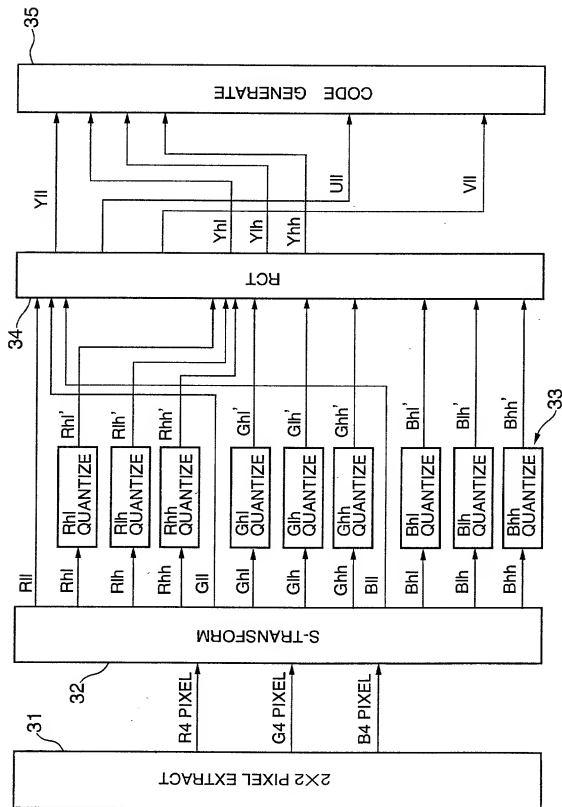


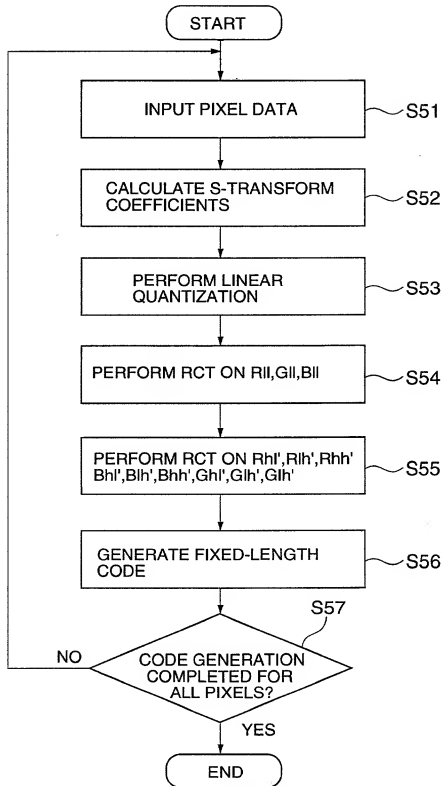
FIG. 11

40



Yll 8bit	Yhl 7bit	Ylh 7bit	Yhh 8bit	Ull 9bit	Vll 9bit
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FIG.12



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FIG. 13

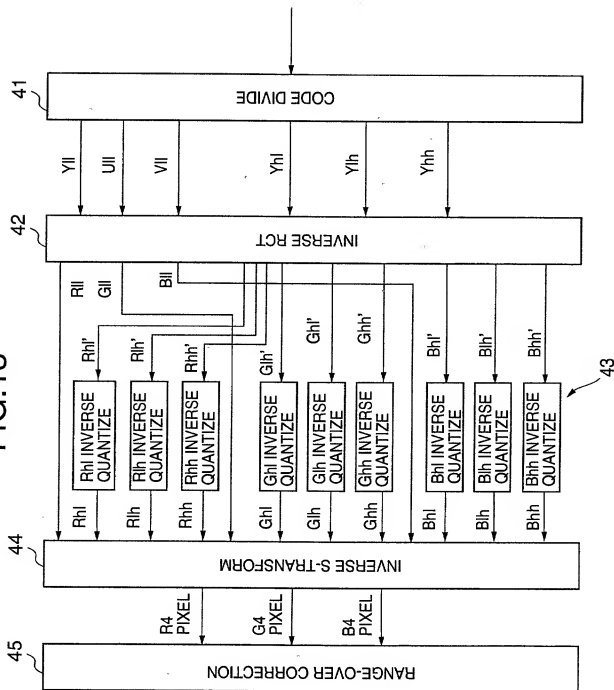
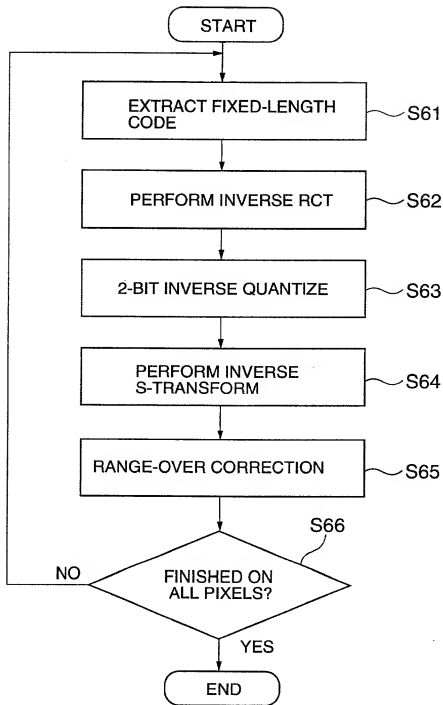


FIG.14



10082308.022602



FIG.15

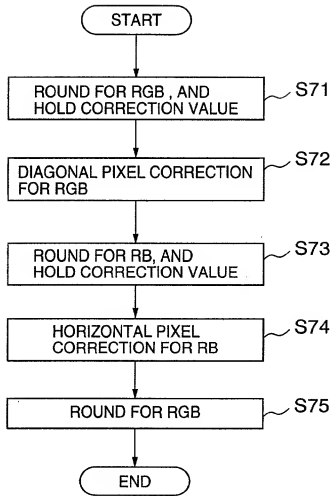


FIG.16

S71,S73

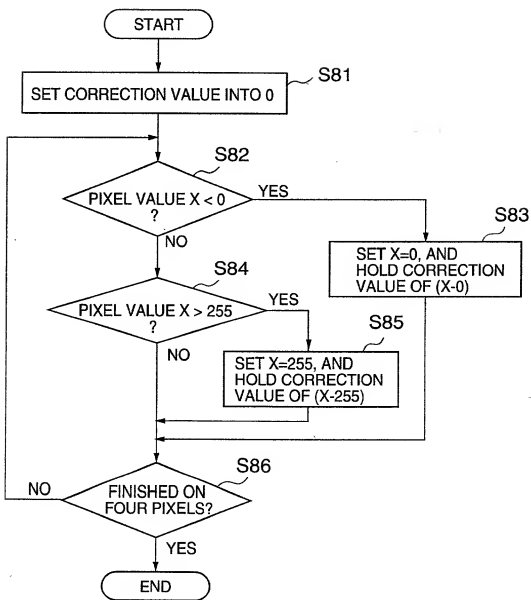


FIG.17

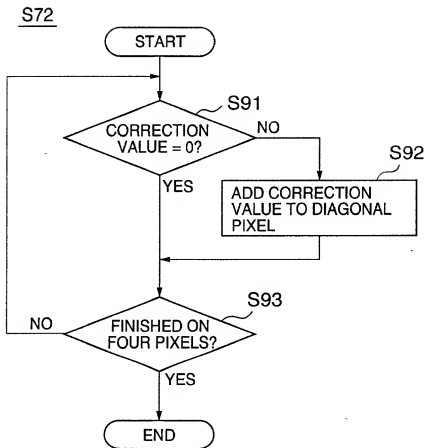


FIG.18

S74

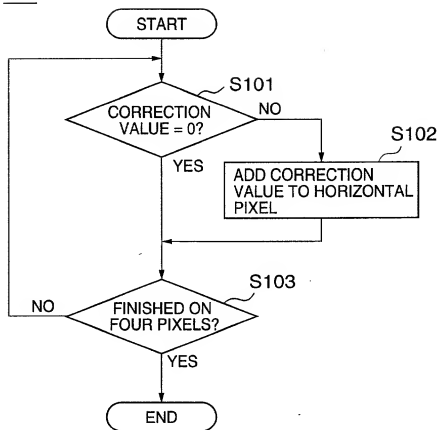


FIG.19

S75

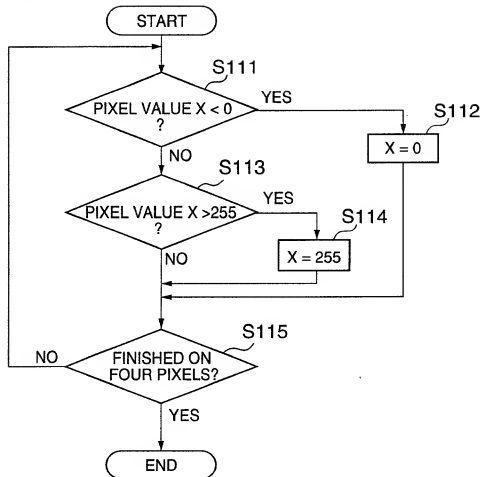


FIG.20

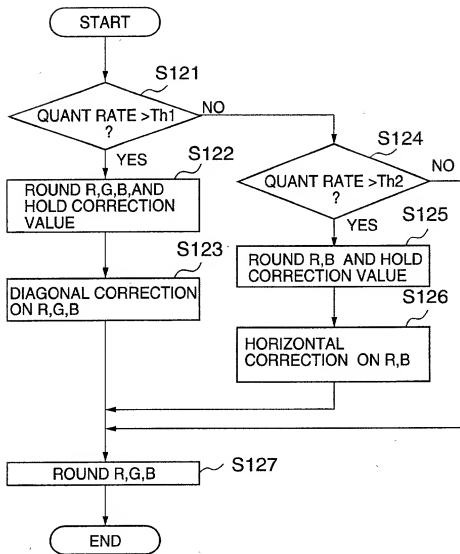


FIG. 21

50

A

HEADER 2 bit	Yll 8bit	Yhl 7bit	Ylh 7bit	Yhh 8bit	Ull 9bit	Yll 9bit
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FIG.22

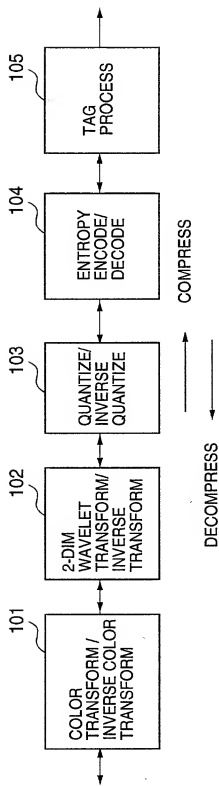




FIG. 23

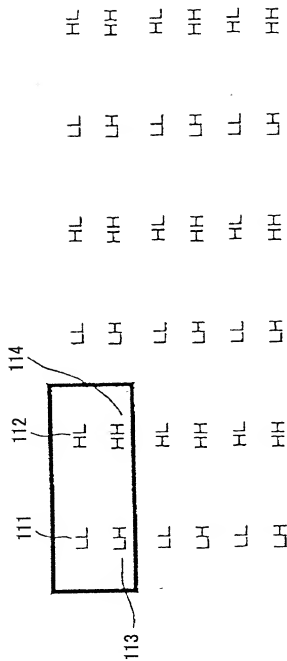


FIG. 24A

0.0625	-0.25	0.0625
-0.25	-0.25	-0.25
0.0625	-0.25	0.0625

121

FIG. 24B

HH	LH	HH
HL	HL	HL
HH	LH	HH

122

FIG. 25A

123

0.03125	-0.125	-0.18750	-0.125	0.03125
-0.125	0.5	0.75	0.5	-0.125
0.03125	-0.125	-0.18750	-0.125	0.03125

FIG. 25B

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

124

FIG. 26A

0.03125	-0.125	0.03125
-0.125	0.5	-0.125
-0.1875	0.75	-0.1875
-0.125	0.5	-0.125
0.03125	-0.125	0.03125

125

FIG. 26B

HH	LH	HH
HL	LL	HL
HH	LH	HH
HL	LL	HL
HH	LH	HH

126

# FIG. 27A

0.015625	-0.0625	-0.09375	-0.0625	0.015625
-0.06250	0.25	0.375	0.25	-0.06250
-0.09375	0.375	0.5625	0.375	-0.09375
-0.06250	0.25	0.375	0.25	-0.06250
0.015625	-0.0625	-0.09375	-0.0625	0.015625

127

# FIG. 27B

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

128

FIG. 28A

1	-2	1
-2	1	-2
1	-2	1

FIG. 28B

HH	LH	HH
HL	LH	HL
HH	LH	HH

122

FIG. 29A

0.5	-1	-3	-1	0.5
-1	0.5	6	0.5	-1
0.5	-1	-3	-1	0.5

FIG. 29B

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

# FIG. 30A

0.5	-1	0.5
-1	0.5	-1
-3	6	-3
-1	0.5	-1
0.5	-1	0.5

# FIG. 30B

HH	LH	HH
HL	LL	HL
HH	LH	HH
HL	LL	HL
HH	LH	HH



FIG. 31A

0.3	-0.5	-1.5	-0.5	0.3
-0.5	0.3	3.0	0.3	-0.5
-1.5	3.0	9.0	3.0	-1.5
-0.5	0.3	3.0	0.3	-0.5
0.3	-0.5	-1.5	-0.5	0.3

FIG. 31B

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

# FIG.32

RANGE-OVER PIXEL	PIXEL TO BEAR RANGE- OVER
LL POSITION	HL OR LH POSITION
HL POSITION	LL ,AND THEN ,LH POSITION
LH POSITION	LL ,AND THEN ,HL POSITION
HH POSITION	HL OR LH POSITION

# FIG.33

	LL POSITION	HL POSITION	LH POSITION	HH POSITION
CONTRIBUTION TO LL POSITION	1.00	-0.25	-0.25	0.06
CONTRIBUTION TO HL POSITION	0.50	0.75	-0.13	-0.19
CONTRIBUTION TO LH POSITION	0.50	-0.13	0.75	-0.19
CONTRIBUTION TO HH POSITION	0.25	0.38	0.38	0.56

FIG. 34

131

0.0003	-0.0010	-0.0045	0.0188	-0.0045	-0.0010	0.0003
-0.0010	0.0033	0.0154	-0.0642	0.0154	0.0033	-0.0010
-0.0045	0.0154	0.0712	-0.2976	0.0712	0.0154	-0.0045
0.0188	-0.0642	-0.2976	2454 -0.2976	-0.2976	-0.0642	0.0188
-0.0045	0.0154	0.0712	-0.2976	0.0712	0.0154	-0.0045
-0.0010	0.0033	0.0154	-0.0642	0.0154	0.0033	-0.0010
0.0003	-0.0010	-0.0045	0.0188	-0.0045	-0.0010	0.0003

FIG. 35

132

0.000451	-0.00154	-0.00132	0.009971	0.010168	0.009971	-0.00132	-0.00154	0.000451
-0.00154	0.005252	0.004501	-0.03402	-0.0347	-0.03402	0.004501	0.005252	-0.00154
-0.00714	0.024357	0.020875	-0.15779	-0.16091	-0.15779	0.020875	0.024357	-0.00714
0.029827	-0.10178	-0.08723	0.659319	0.67234	0.659319	-0.08723	-0.10178	0.029827
-0.00714	0.024357	0.020875	-0.15779	-0.16091	-0.15779	0.020875	0.024357	-0.00714
-0.00154	0.005252	0.004501	-0.03402	-0.0347	-0.03402	0.004501	0.005252	-0.00154
0.000451	-0.00154	-0.00132	0.009971	0.010168	0.009971	-0.00132	-0.00154	0.000451

FIG. 36

0.000451	-0.00154	-0.00714	0.029827	-0.00714	-0.00154	0.000451
-0.00154	0.005252	0.024357	-0.10178	0.024357	0.005252	-0.00154
-0.00132	0.004501	0.020875	-0.08723	0.020875	0.004501	-0.00132
0.009971	-0.03402	-0.15779	0.659319	-0.15779	-0.03402	0.009971
0.010168	-0.0347	-0.16091	0.659319	-0.16091	-0.0347	0.010168
0.009971	-0.03402	-0.15779	0.659319	-0.15779	-0.03402	0.009971
-0.00132	0.004501	0.020875	-0.08723	0.020875	0.004501	-0.00132
-0.00154	0.005252	0.024357	-0.10178	0.024357	0.005252	-0.00154
0.000451	-0.00154	-0.00714	0.029827	-0.00714	-0.00154	0.000451

FIG. 37

0.000715	-0.00244	-0.00209	0.015816	0.016128	0.015816	-0.00209	-0.00244	0.000715
-0.00244	0.008331	0.00714	-0.05397	-0.05503	-0.05397	0.00714	0.008331	-0.00244
-0.00209	0.00714	0.006119	-0.04625	-0.04716	-0.04625	0.006119	0.00714	-0.00209
0.015816	-0.05397	-0.04625	0.349602	0.356507	0.349602	-0.04625	-0.05397	0.015816
0.016128	-0.05503	-0.0472	0.356507	0.356548	0.356507	-0.0472	-0.05503	0.016128
0.015816	-0.05397	-0.04625	0.349602	0.356507	0.349602	-0.04625	-0.05397	0.015816
-0.00209	0.00714	0.006119	-0.04625	-0.04716	-0.04625	0.006119	0.00714	-0.00209
-0.00244	0.008331	0.00714	-0.05397	-0.05503	-0.05397	0.00714	0.008331	-0.00244
0.000715	-0.00244	-0.00209	0.015816	0.016128	0.015816	-0.00209	-0.00244	0.000715

# FIG.38

	LL POSITION	HL POSITION	LH POSITION	HH POSITION
CONTRIBUTION TO LL POSITION	1.24	-2.38	-2.38	1.14
CONTRIBUTION TO HL POSITION	0.66	5.38	-1.26	-2.57
CONTRIBUTION TO LH POSITION	0.66	-1.26	5.38	-2.57
CONTRIBUTION TO HH POSITION	0.35	2.85	2.85	5.82

# FIG.39

	LL POSITION	HL POSITION	LH POSITION	HH POSITION
CONTRIBUTION TO LL POSITION	1.24	-0.30	-0.30	0.07
CONTRIBUTION TO HL POSITION	0.66	0.67	-0.15	-0.16
CONTRIBUTION TO LH POSITION	0.66	-0.16	0.67	-2.57
CONTRIBUTION TO HH POSITION	0.35	0.36	0.36	0.36

# FIG.40

RANGE-OVER PIXEL	PIXEL TO FIRST BEAR RANGE-OVER	PIXEL TO SECOND BEAR RANGE-OVER
LL POSITION	TO HL POSITION(HORIZONTAL)	TO LH POSITION(VERTICAL)
HL POSITION	TO LL POSITION(HORIZONTAL)	TO LH POSITION(DIAGONAL FROM HL)
LH POSITION	TO LL POSITION(VERTICAL)	TO LH POSITION(FOR SIMPLIFICATION)
HH POSITION	TO LH POSITION(HORIZONTAL)	TO LH POSITION(VERTICAL)

FIG. 41A

+	-	+
-	+	-
+	-	+

141

FIG. 41B

HH	LH	HH
HL	HL	HL
HH	LH	HH

142



FIG. 42A

+	-	-	-	+
-	+	+	+	-
+	-	-	-	+

143

FIG. 42B

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

144

FIG. 43A

145

+	-	+
-	+	-
-	+	-
-	+	-
+	-	+

FIG. 43B

146

HH	LH	HH
HL	LL	HL
HH	LH	HH
HL	LL	HL
HH	LH	HH

FIG. 44A

147

+	-	-	-	+
-	+	+	+	-
-	+		+	-
-	+	+	+	-
+	-	-	-	+

FIG. 44B

148

HH	LH	HH	LH	HH
HL	LL	HL	LL	HL
HH		HL	LH	HH
HL	LL	HL	LL	HL
HH	LH	HH	LH	HH

FIG.45

	LL POSITION	HL POSITION	LH POSITION	HH POSITION
CONTRIBUTION TO LL POSITION	+	-	-	+
CONTRIBUTION TO HL POSITION	+	+	-	-
CONTRIBUTION TO LH POSITION	+	-	+	-
CONTRIBUTION TO HH POSITION	+	+	+	+

FIG.46

RANGE-OVER PIXEL	FIRST DISTRIBUTION PLACE	SECOND DISTRIBUTION PLACE
LL POSITION	HH(DIAGONAL)	LH(VERTICAL)
HL POSITION	LH(DIAGONAL)	HH(VERTICAL)
LH POSITION	HL(DIAGONAL)	LL(VERTICAL)
HH POSITION	LL(DIAGONAL)	HL(VERTICAL)

FIG.47

RANGE-OVER PIXEL	FIRST DISTRIBUTION PLACE	SECOND DISTRIBUTION PLACE
LL POSITION	HH(DIAGONAL)	HL(HORIZONTAL)
HL POSITION	LH(DIAGONAL)	LL(HORIZONTAL)
LH POSITION	HL(DIAGONAL)	HH(HORIZONTAL)
HH POSITION	LL(DIAGONAL)	LH(HORIZONTAL)

FIG.48

RANGE-OVER PIXEL	FIRST DISTRIBUTION PLACE	SECOND DISTRIBUTION PLACE
LL POSITION	LH(VERTICAL)	HL(HORIZONTAL)OR HH(DIAGONAL)
HL POSITION	HH(VERTICAL)	LL(HORIZONTAL)OR LH(DIAGONAL)
LH POSITION	LL(VERTICAL)	HH(HORIZONTAL)OR HL(DIAGONAL)
HH POSITION	HL(VERTICAL)	LH(HORIZONTAL)OR LL(DIAGONAL)

FIG.49

RANGE-OVER PIXEL	FIRST DISTRIBUTION PLACE	SECOND DISTRIBUTION PLACE
LL POSITION	HL(HORIZONTAL)	LH(VERTICAL)OR HH(DIAGONAL)
HL POSITION	LL(HORIZONTAL)	HH(VERTICAL)OR LH(DIAGONAL)
LH POSITION	HH(HORIZONTAL)	LL(VERTICAL)OR HL(DIAGONAL)
HH POSITION	LH(HORIZONTAL)	HL(VERTICAL)OR LL(DIAGONAL)

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FIG.50

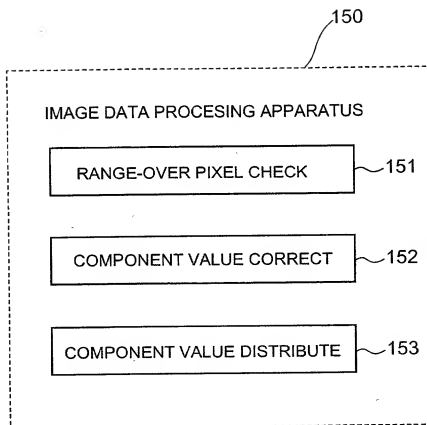
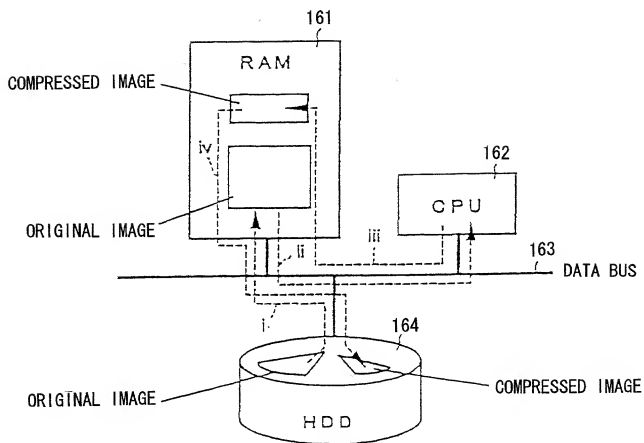


FIG. 51



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FIG. 52

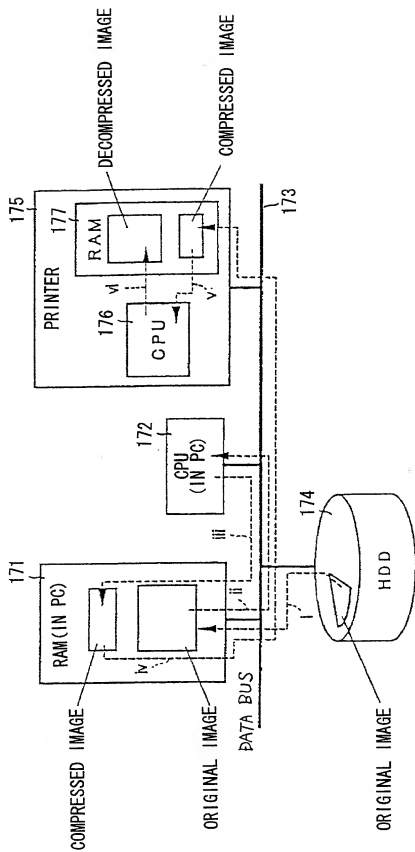
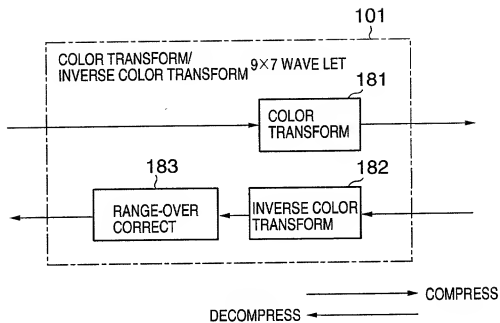




FIG.53



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FIG.54

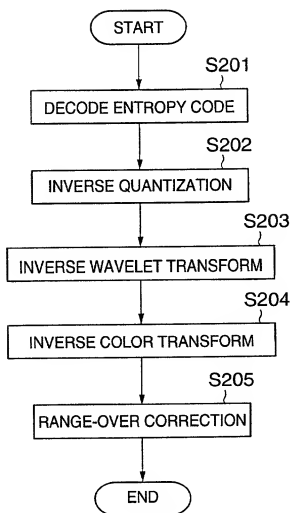


FIG.55

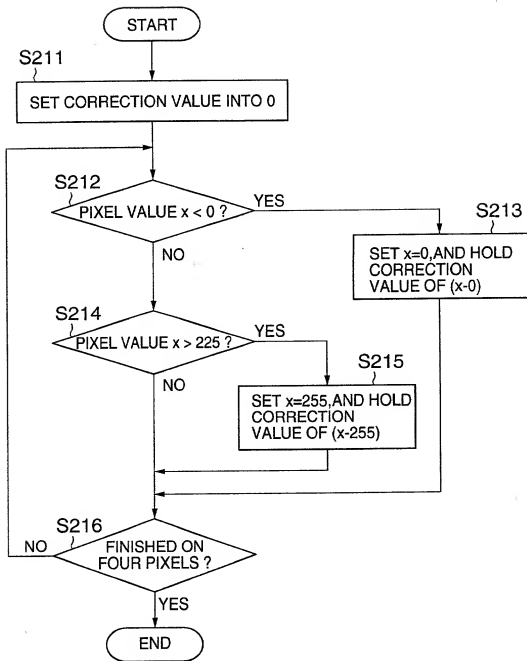


FIG.56

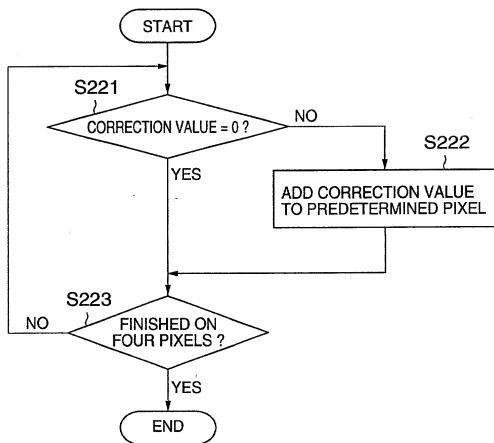


FIG.57

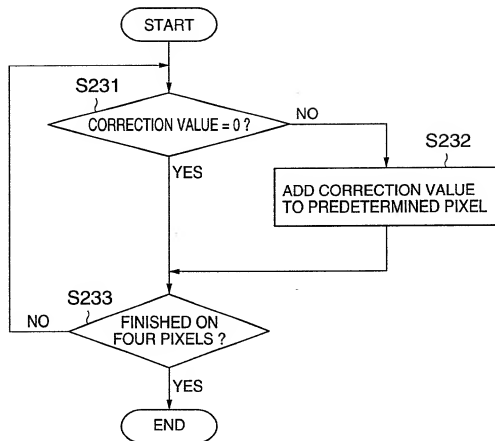


FIG.58

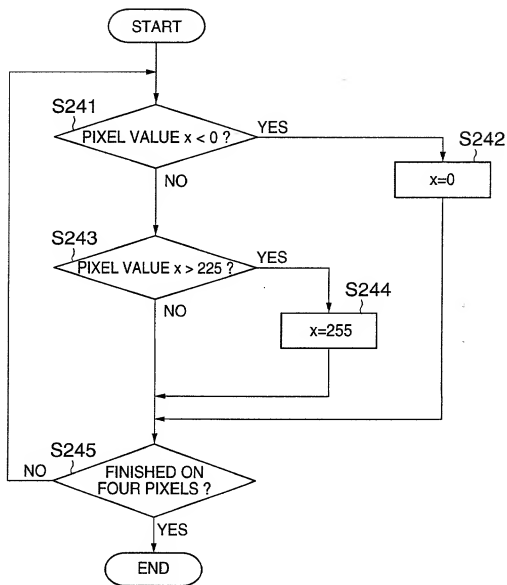
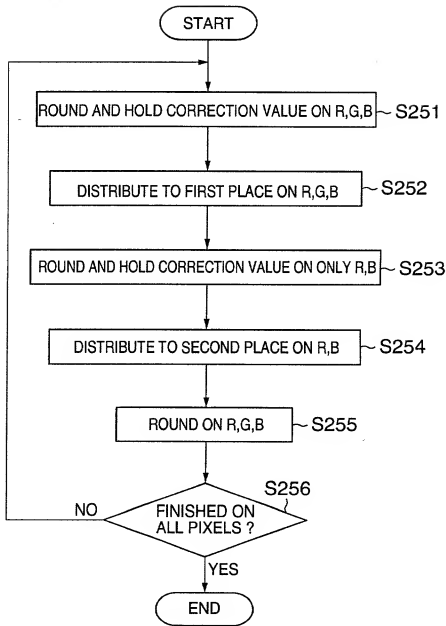
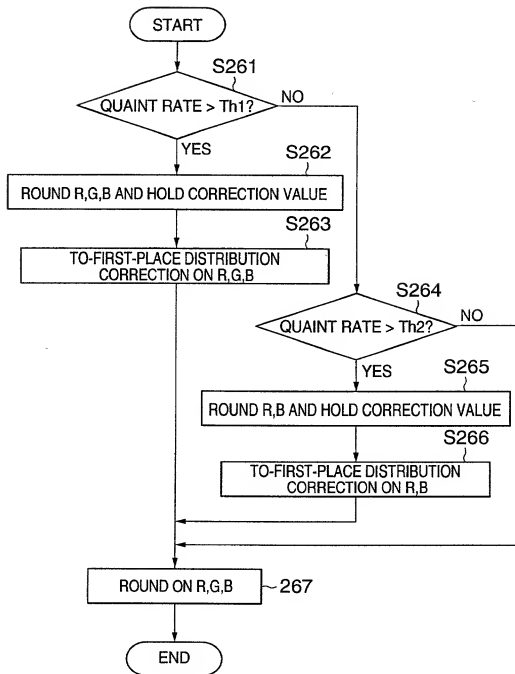


FIG.59



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FIG.60



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